

# Richmond Refinery LPS Alert – Safety Injury While Changing Out Nitrogen Cylinder



## IMPACT ERM:

Loss # 27199

### Location:

Blending & Shipping  
Richmond Refinery

### Contact Information:

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Nitrogen cylinder connected to the  
B&S field lab



Hand truck available in work area (this  
hand truck not designed for gas  
cylinder service)

**Always remember to do  
your LPSA – because  
we care about you!**

## Incident Description:

On December 2, 2011, an operator was changing out a spent nitrogen cylinder at the Blending and Shipping (B&S) field laboratory. The spent cylinder had been disconnected from the nitrogen purge to the field laboratory, capped, and was being rolled to the storage area, about 15 feet away. A hand truck was in the work area, but the hand truck was not designed for gas cylinder service. The operator was wearing the prescribed PPE, including steel toed boots. The operator lost control of the empty cylinder and it fell landing on the operator's left foot, resulting in a toe injury.

## Immediate Actions Taken:

- 1) Chevron Fire Department treated the injury in the field.
- 2) The employee was further treated at the Chevron Clinic and was taken off-site for medical evaluation.
- 3) An incident investigation was initiated.

## Considerations:

- 1) Always conduct an LPSA, even on routine work activities - identifying potential risks and taking action to eliminate and/or minimize such risks and incidents.
- 2) Assess the tools you have on hand. If the tool is not the right tool, use SWA and communicate the risks to your immediate supervisor.

## LOSS PREVENTION SELF-ASSESSMENT

**BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS  
OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:**



### **ASSESS** the risk!

What could go wrong?

What is the worst thing that could happen if something does go wrong?

### **ANALYZE** how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?

Do I have all the proper Tools and Personal Protective Equipment?

### **ACT** to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!

Follow written procedures! Ask for assistance, if needed!

**DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!**

**For Everyone • Every Day • All the Time**